User Manual

Version V1.1 FEB. 2012

VariPOS™ -815

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Manual Version 0.1

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Safety

IMPORTANT SAFETY INSTRUCTIONS

1. To disconnect the machine from the electrical power supply, turn off the power switch and remove the power cord plug from the wall socket. The wall socket must be easily accessible and in close proximity to the machine.
2. Read these instructions carefully. Save these instructions for future reference.
3. Follow all warnings and instructions marked on the product.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

CE

This device complies with the requirements of the VariPOS™ directive 2004/108/EC with regard to "Electromagnetic compatibility".

FCC

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation

CAUTION ON LITHIUM BATTERIES

There is a danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

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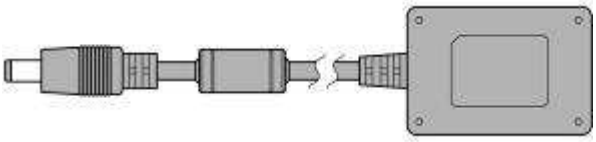
1 Packing List

1-1 Standard items

【 VariPOS™ -815】

a.	c. 
b.	d.
a. System b. Driver bank CD	c. Power adapter d. Power cord

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1-2 Accessory items

	Part No	Description	Q'ty
1	3XCC00000010	Touch Screen Wipes ,20*15mm	1
2	3XPP00000010	SPIRAL WARPPING BANDS SWB-16,L15mm	1
3	*7P0000000030	*[1] SCREW PACK: security screws	1
		Screw driver	1
4	3CMD9MJT0100	RJ-45 Cable	1
5	3CW000000190	VGA Cable*[2]	1
6	3CW000000550	PS/2 CABLE	1

*1: There are security screws and a screw driver for replacing the hard drive fixing screw. Customers can use the security screws to ensure HDD security.

*2: VGA Cable is only for I/O interface with VGA port.

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2 System Overview

【VariPOS-815】

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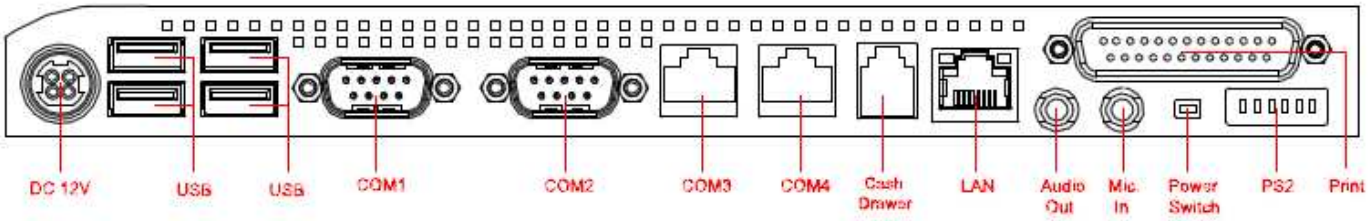
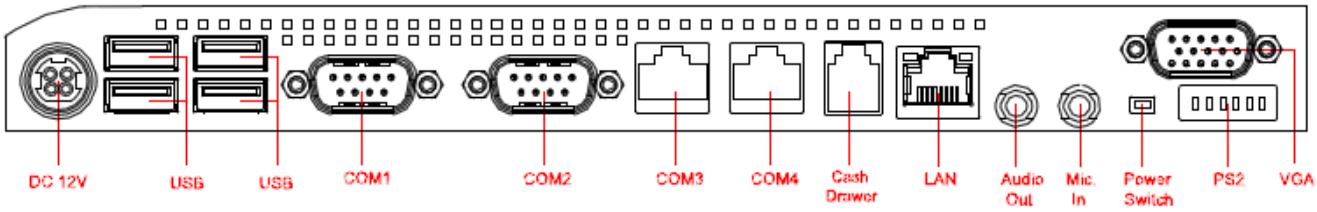
2-1 I/O Interface

【Standard Version】



【VGA Version】



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3 Specification

	VariPOS 815
CPU	Intel® Mobile Celeron B810 1.6GHz with L3 Cache 2MB
	Intel® i3-2330E 2.2 GHz with L3 Cache 3MB
	Intel® i5-2510E 2.5 GHz with L3 Cache 3MB
Chipset	HM65
System Memory	1 x SO-DIMM DDRIII 1333, up to 4GB
Display	
TFT LCD	38.1cm (15”)
Brightness	250nits
Resolution	1024 x 768
Touch Screen	True Flat Projected Capacitive Technology / True Flat 5-Wire Resistive
Storage	
HDD / SSD Type	1 x SATA 6.4cm (2.5”)HDD , SSD (optional)
I/O Ports -External	
DC Input	1 x Mini Din 4P (DC 12V only)
Cash Drawer	1 x RJ-11 (Power Pin 12V)
Network (LAN)	1 x Gigabit Ethernet by RJ-45
USB Port	4 x USB 2.0
Serial Port	4 x RS-232
	COM1/2 : DB-9, RS-232, Pin9 w/RI/5V/12V Selectable by BIOS
	COM3/4 : RJ-48 , RS-232, Pin10 w/RI/5V/12V Selectable by BIOS
Audio Port	1 x Line-out ; 1 x Mic-In
PS/2 Port	1 x PS/2 connector for Keyboard
LPT Port	1 x DB-25 Printer Port (Standard)
VGA Port	1 x DB-15 VGA Port (Optional)

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I/O Ports -Internal	
Card Reader & iButton	COM5 : Internal Pin header for Card Reader & iButton
Audio	HD Audio, 2W Speaker x 2
Bus Expansion	1 x Mini-PCI-E Slot
Compliance	IP 66 on front panel
System Management	Desktop Management Interface (DMI)
	Preboot Execution Environment (PXE)
	Wake on LAN (WoL)
	Advanced Configuration and Power Interface (ACPI)
OS Support	Windows 7, Windows POSReady 2009, WEPOS, Windows XP Pro for Embedded, Fedora(Linux)
Power Supply	External adapter, DC Model:120 Watts, Voltage:+12VDC 10 Amax
Material	Main Unit: Die-casting aluminum ; I/O Cover: Plastic
Color	Main Unit: Grey / White / Black *Customized color for plastic parts
Certifications	CE, FCC, Class-B, RoHS, WEEE
Dimension(W x H x D)	370 x 300 x 236 mm
Weight	5.96 Kg (Aluminum Base: 1 Kg)
VESA Mounting	100 x 100mm
Operating Temperature	0ºC ~ 40ºC, 10% ~ 90% RH, non-condensing
Storage Temperature	-20ºC ~ 60ºC, 10% ~ 90% RH, non-condensing

*The right has been reserved to change the specification without prior notice.

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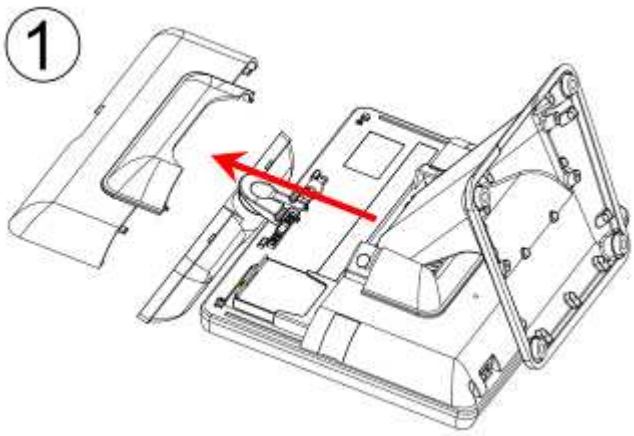
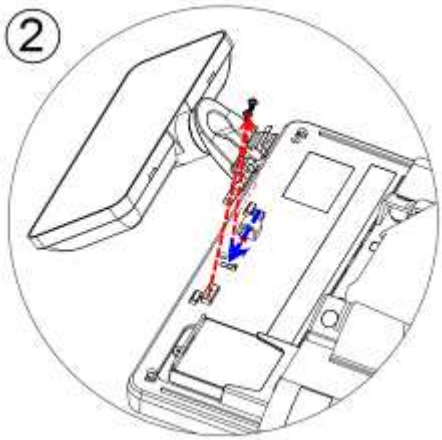
4 System Assembly & Disassembly

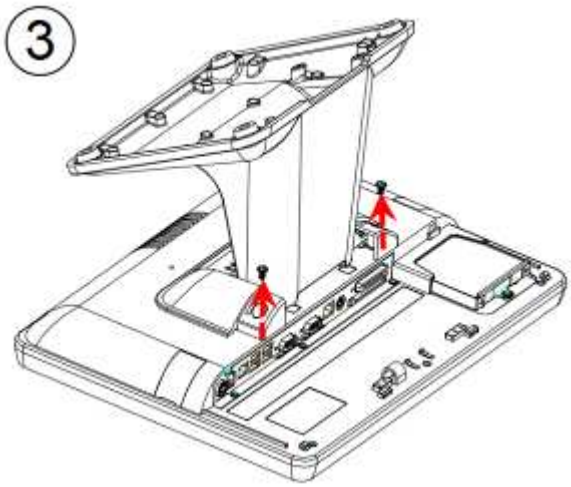
4-1 Open the System

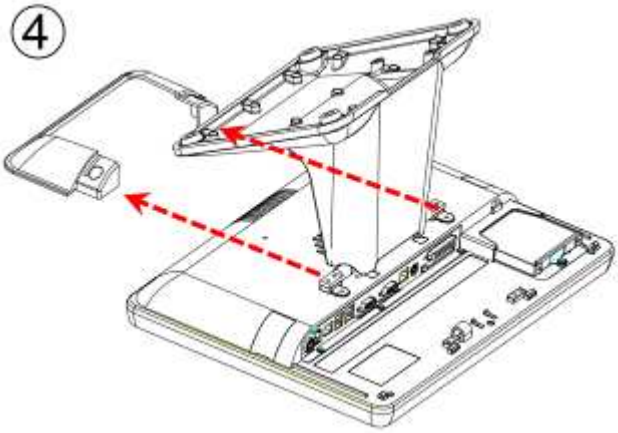
To access the inside system, you need to open the system first and the procedure of opening the system is as below:

1. Open the back IO cover
2. Release the screws of VFD
3. Release the screws of hinge cover
4. Remove the plastic hinge cover parts
5. Release the screws of base
6. Open the plastic cover from two sides
7. Release the screws of aluminium back frame









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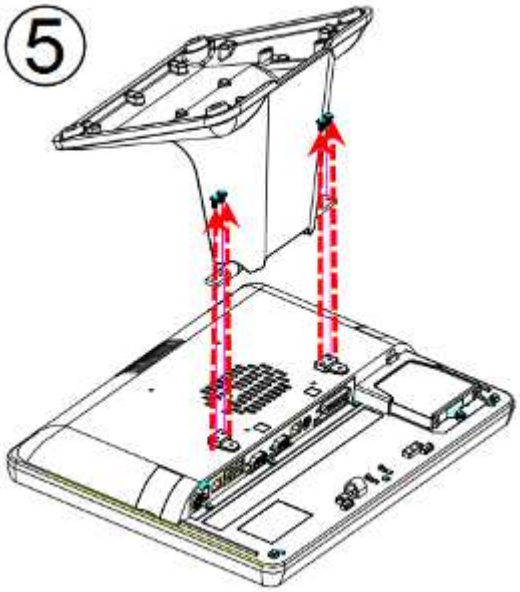

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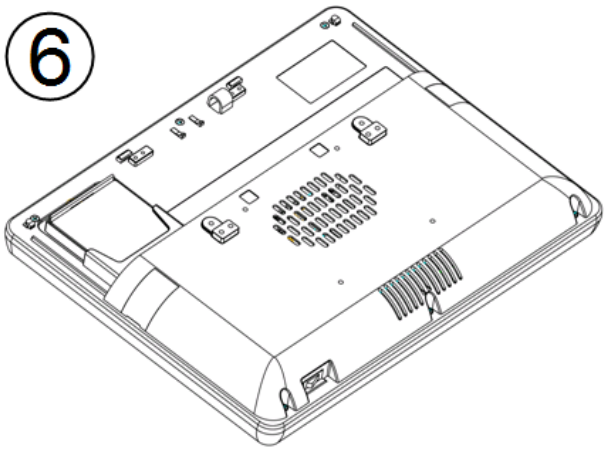

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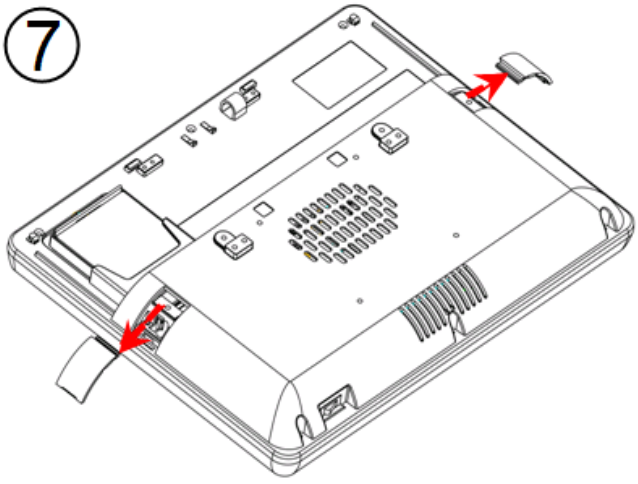

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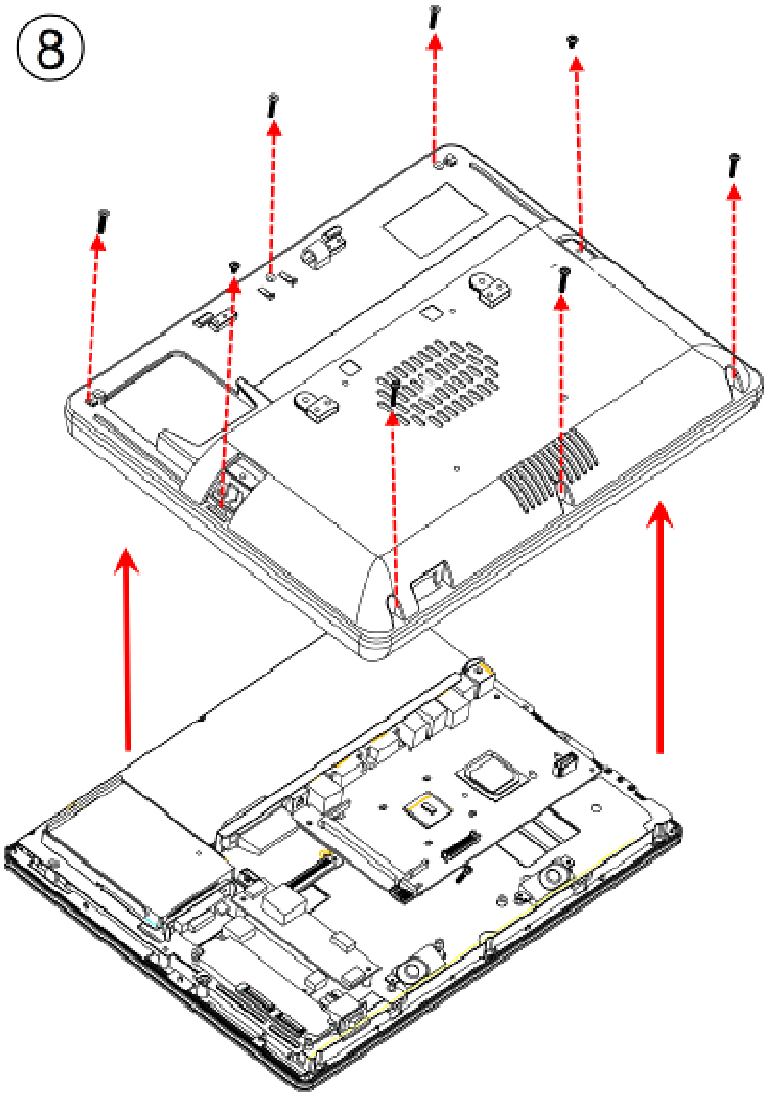

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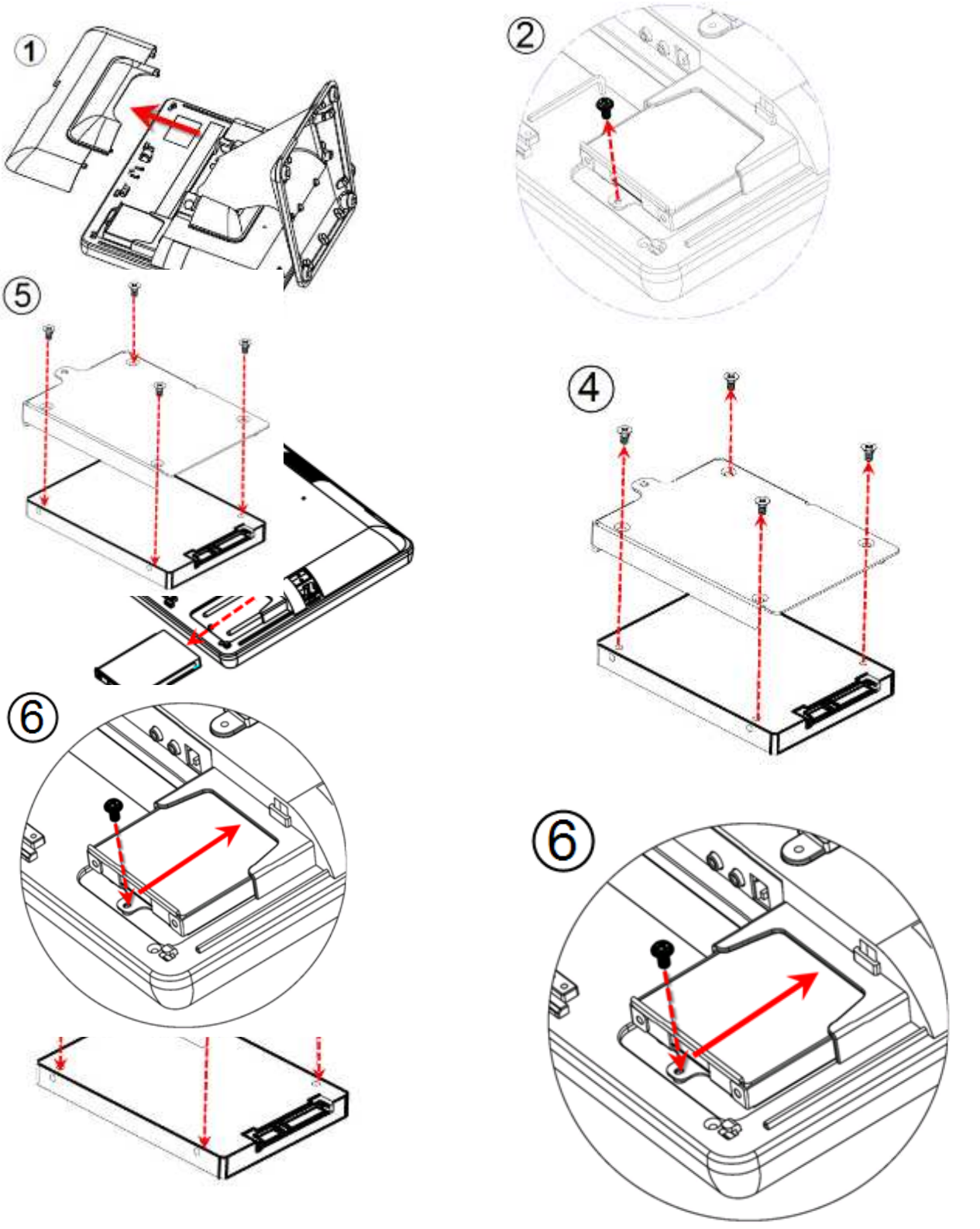
4-2 Replace the HDD

1. Open the IO back cover
2. Release the 1x screw from HDD tray
3. Remove the HDD tray.
4. Release the 4 x round screws on the HDD tray and replace HDD
5. Screw 4 x round screws on the HDD tray and insert the HDD tray into the whole system HDD slot
6. Fix HDD tray on the system with the 1x screw



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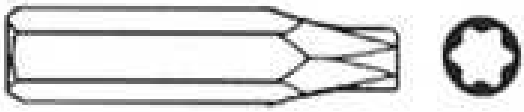
Screw Pack

Item	Part No.	Description	Q'ty
A	3SMFH30040N0	F-HEAD SCREW:M3*0.5-4mm,NI	5
B	3SMPH30062N0	P-HEAD SCREW:M3*0.5-6mm,NI(FLOWER)	2
C	3SLFR03651B0	Screwdriver(FLOWER)	1
D	3SMUH30061N0	ROUND WASHER HEAD SCREWS:m3*0.5-6MM,NI	3

Security Screws*



* There are security screws and a screw driver enclosed in product carton.
* Customers can use the special security screws to ensure HDD security.

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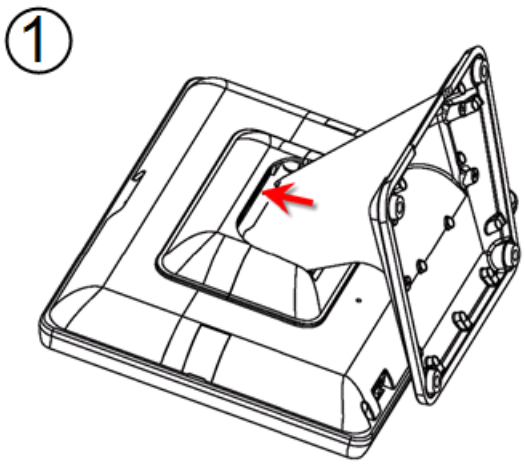
4-3 Install a Customer Display

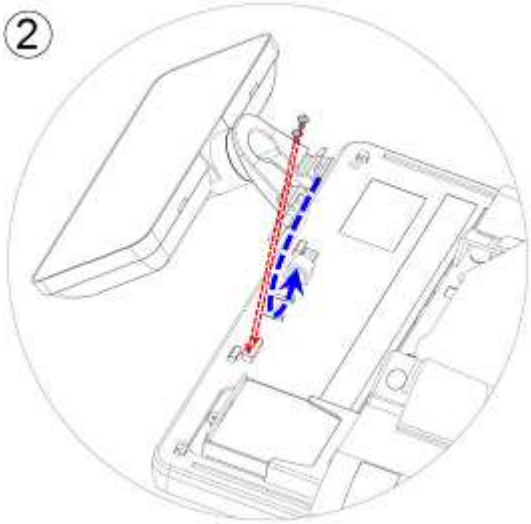
1. Put the panel on the flat table & open the IO back cover of system.

2. Assemble the customer display hinge into the customer display slot and fasten 2 x screws.

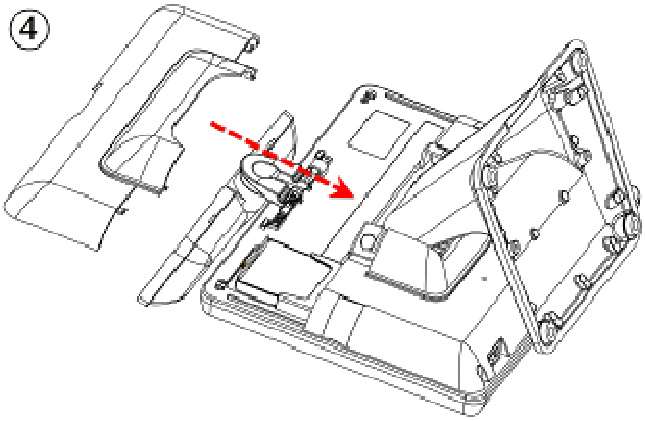
3. Connect the customer display into COM3 via the cable management slot and adjust COM3 voltage to +12V in BIOS (refer to Chapter 6)

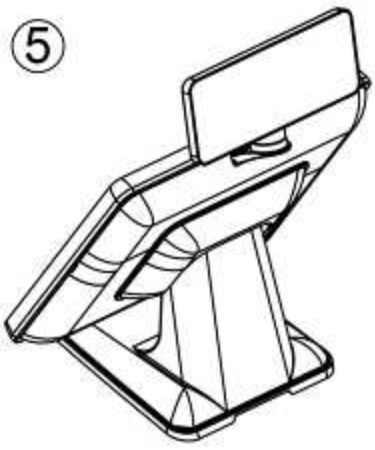
4. Fasten the IO cover into the right position and turn the system on the right position.





Cable Managment Slot





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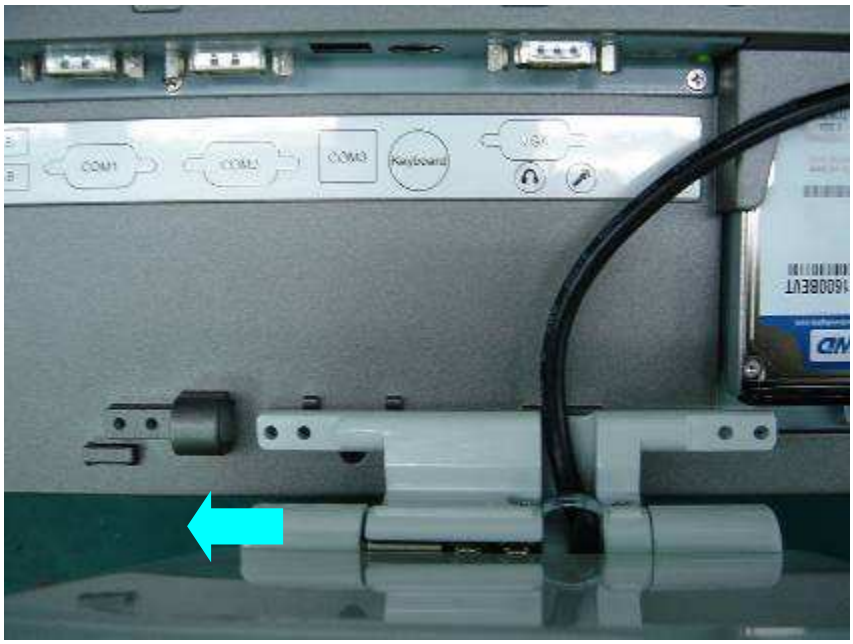
4-4 Install a Second Display

1. Slide the 2nd display hinge into the hinge holder on VariPOS.



2. Tighten the 4 screws that attached in the accessory box.

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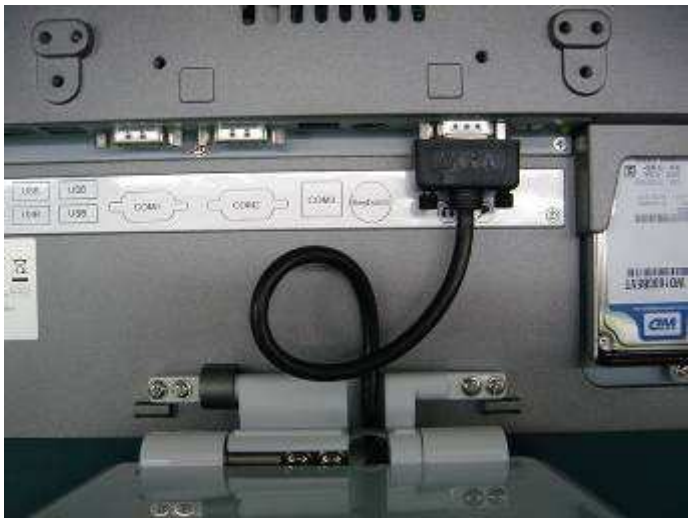
3. Plug the VGA cable to VGA port on the terminal.



4. Don’t forget to insert the I/O cover.

5. Done

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Installation for external monitor

1. Put the VGA cable of the external monitor through the base.

2. Connect the extension VGA cable enclosed with the accessory box to the VGA cable of the external monitor.

3. Plug the extension VGA cable to VGA port and install the I/O cover back to finish the installation.

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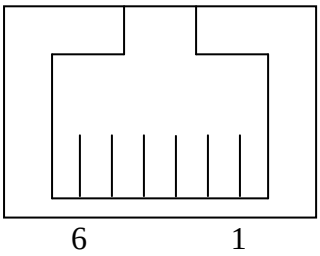
4-5 Install a Cash Drawer

You can install a cash drawer through the cash drawer port. Please verify the pin assignment before installation.

Cash Drawer Pin Assignment



Pin	Signal
1	GND
2	DOUT bit0
3	DIN bit0
4	12V
5	DOUT bit1
6	GND

Cash Drawer Controller Register

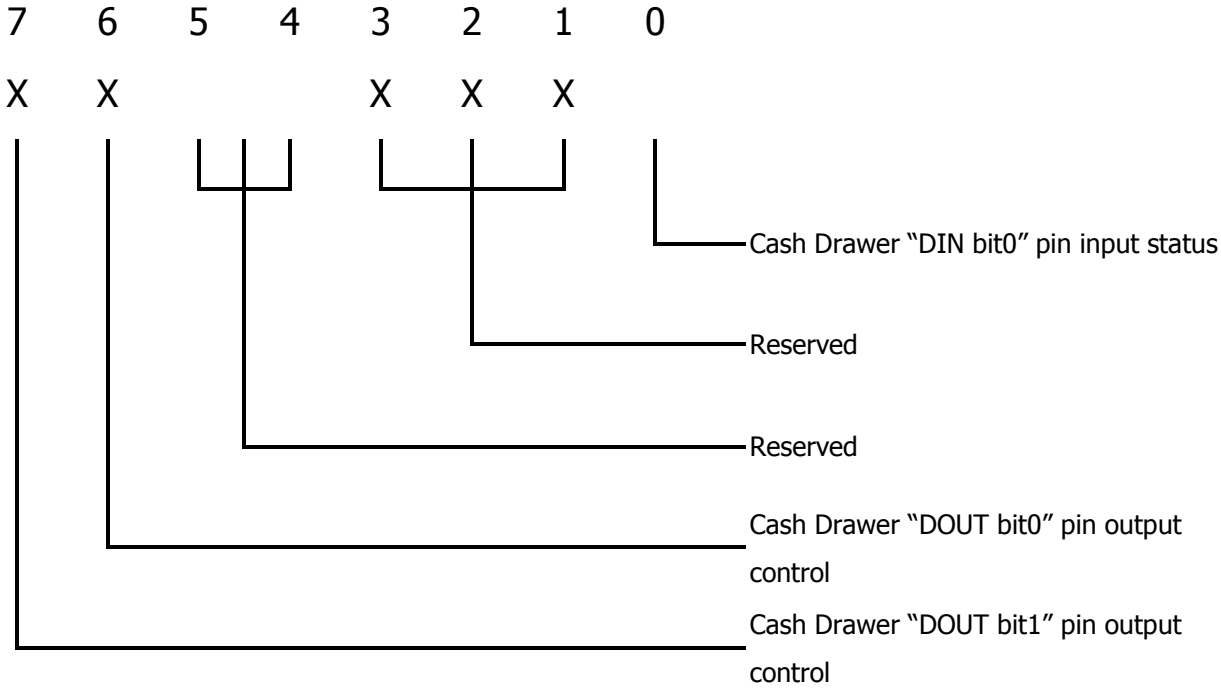
The Cash Drawer Controller use one I/O addresses to control the Cash Drawer.

Register Location: A24h

Attribute: Read / Write

Size: 8bit

BIT	BIT7	BIT6	BIT5	BIT4	BIT3	BIT2	BIT1	BIT0
Attribute	Write	Write	Reserved		Reserved			Read



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Bit 0: Cash Drawer "DIN bit0" pin input status.

= 1: the Cash Drawer closed or no Cash Drawer

= 0: the Cash Drawer opened

Bit 1: Reserved

Bit 2: Reserved

Bit 3: Reserved

Bit 4: Reserved

Bit 5: Reserved

Bit 6: Cash Drawer "DOUT bit0" pin output control.

= 1: Opening the Cash Drawer

= 0: Allow close the Cash Drawer

Bit 7: Cash Drawer "DOUT bit1" pin output control.

= 1: Opening the Cash Drawer

= 0: Allow close the Cash Drawer

Note: Please follow the Cash Drawer control signal design to control the Cash Drawer.

Cash Drawer Control Command Example

Use Debug.EXE program under DOS

Command	**Cash Drawer**
O A24 40	Opening
O A24 00	Allow to close
➢ Set the I/O address A24h bit6 =1 for opening Cash Drawer by "DOUT bit0" pin control. ➢ Set the I/O address A24h bit6 = 0 for allow close Cash Drawer.	

Command	**Cash Drawer**
I A24	Check status
➢ The I/O address A24h bit0 =0 mean the Cash Drawer is opened or not exist. ➢ The I/O address A24h bit0 =1 mean the Cash Drawer is closed.	

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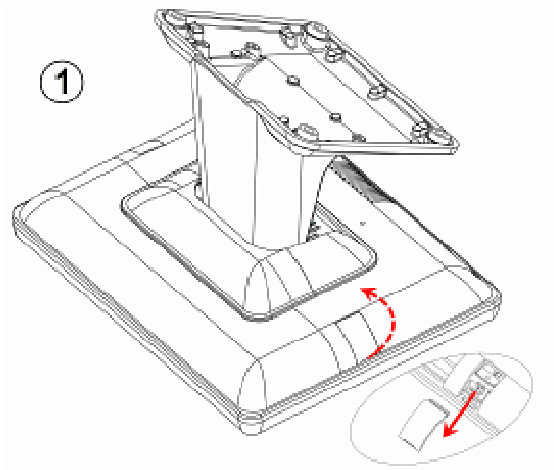
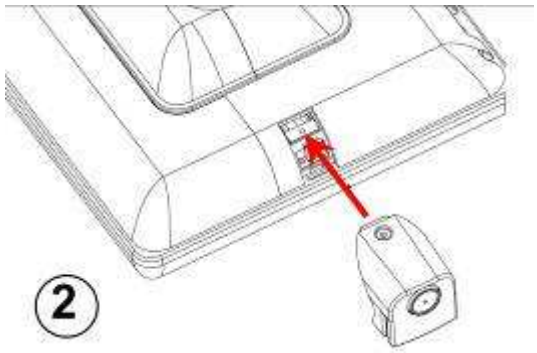
4-6 Install the MSR & iButton Reader

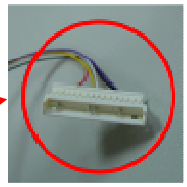
1. Open the right side cover of system. * MSR connection is supported on the right side

2. Connect MSR to System connector, system connector supports PS/2 and RS-232 interface.

3. Fasten the MSR screw on system

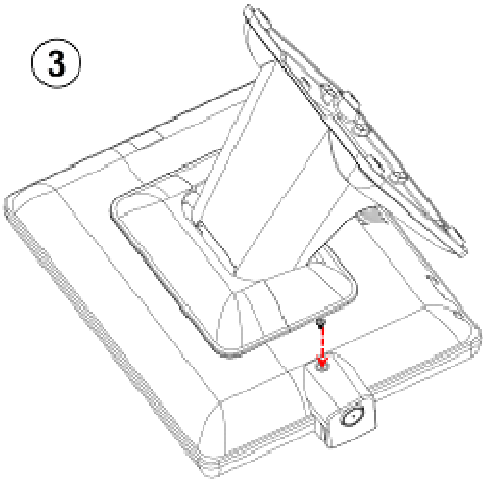


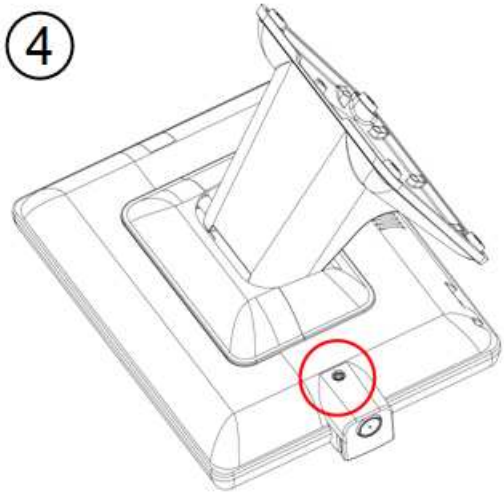




MSR: RS-232 Interface

System connector supports PS/2 and RS-232 interface





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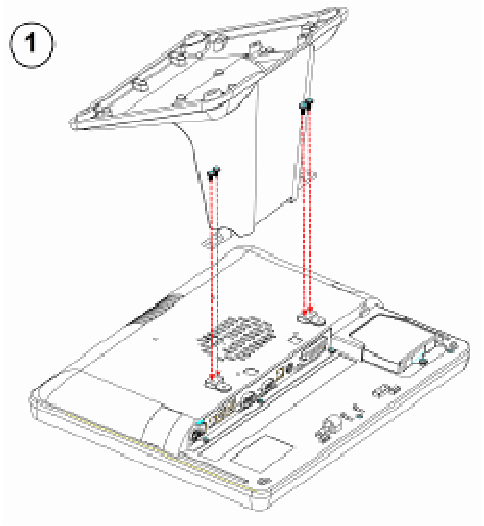
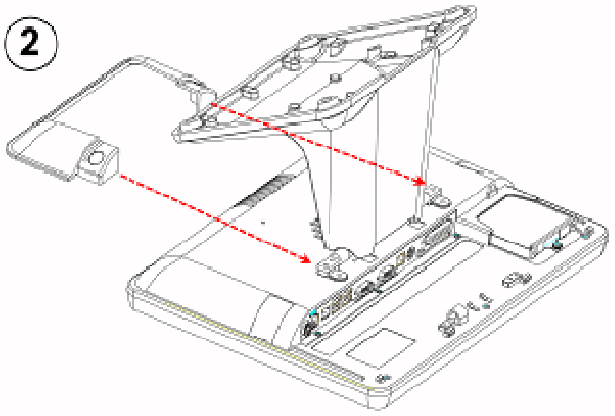
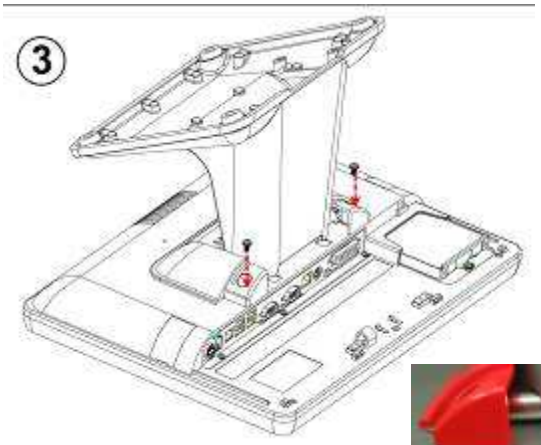
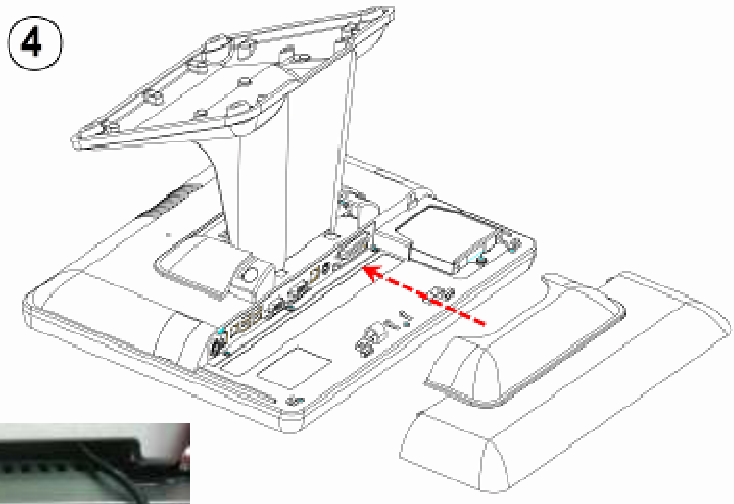
4-7 Install the Metal Stand

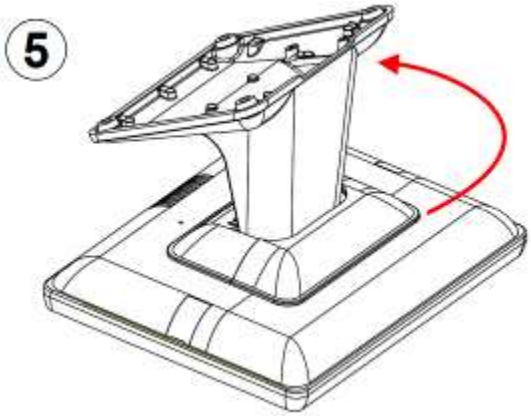








Power & VFD Cable Management



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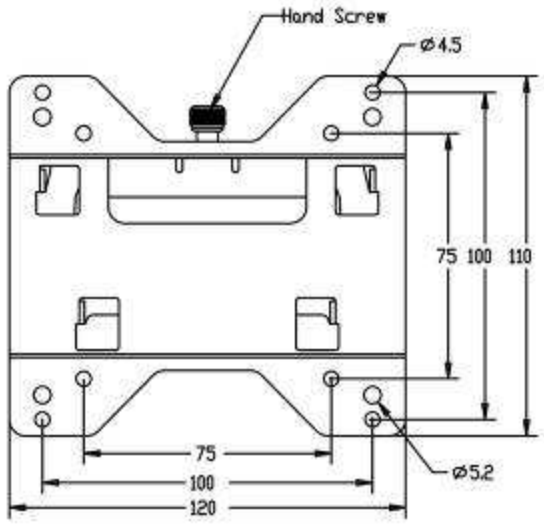
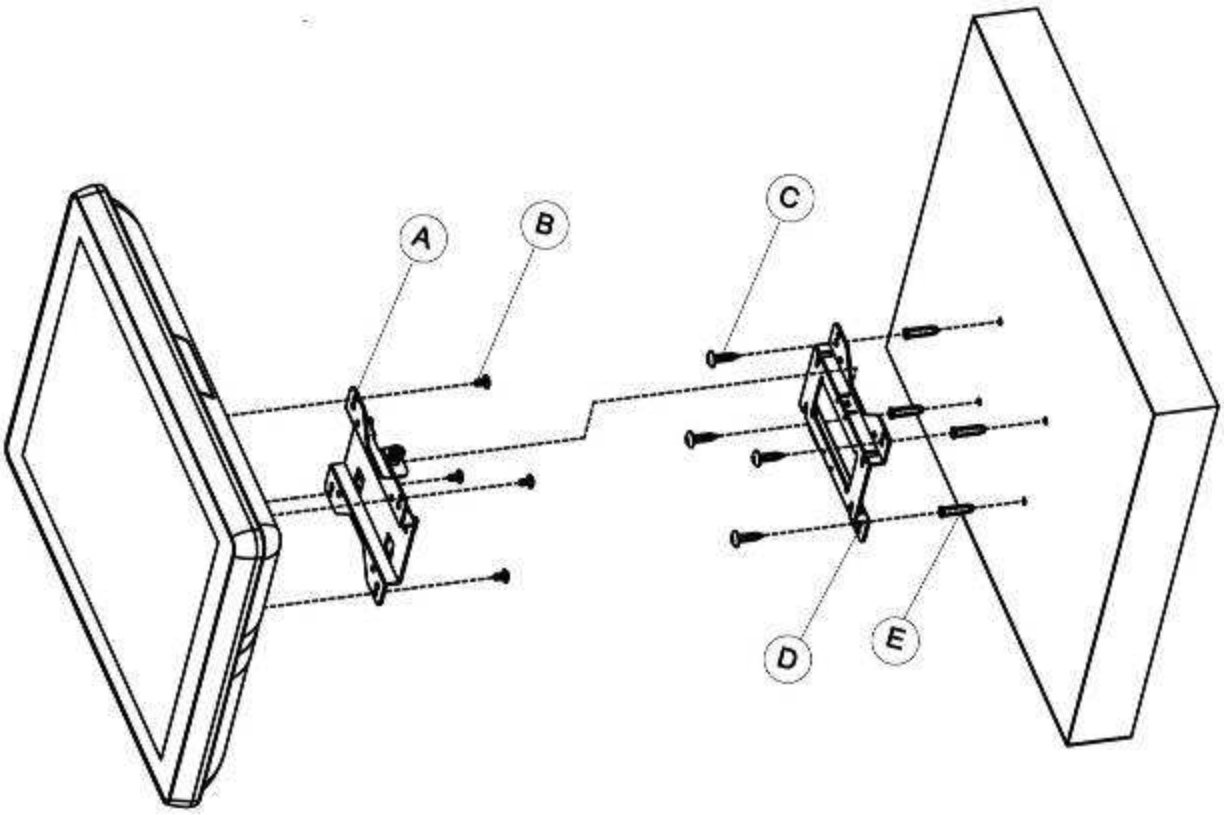
4-8 Install the Wall Mount Kits





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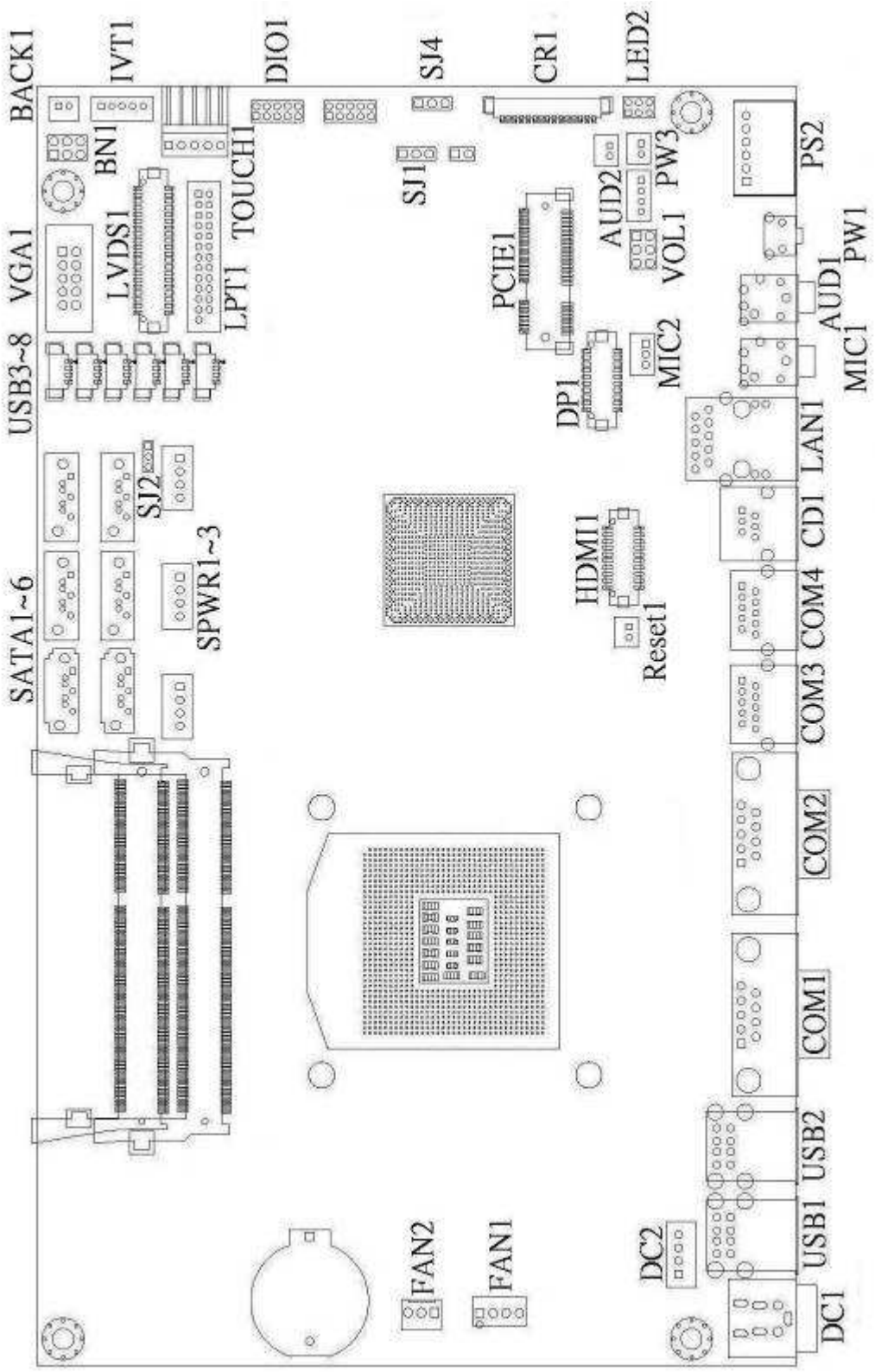
5 Jumper Settings

5-1 Motherboard Layout (Sandy Bridge)



Connector & Jumper Setting

DC1	Mini Din 4P for Power Input Port
DC2	Internal Power Input Connector
CD1	RJ11 for Cash Drawer Port
USB1, 2	USB dual stack for USB Port
USB3, 4, 5, 6, 7, 8	USB Connector
COM1, 2	D-SUB 9 Pin for COM1, 2 Port
COM3, 4	RJ48 for COM3, 4 Port
LAN1	RJ45 for LAN Port
SATA1, 2, 3, 4, 5, 6	SATA 7 Pin for SATA1, 2, 3, 4, 5, 6 Connector
SPWR1, 2, 3	Power Output for SATA HDD
LVDS1	LCD Connector
VGA1	VGA Connector
CR1	Card Reader Connector
AUD1	AUDIO Jack for Line-Out
AUD2	Speaker out Connector
MIC1	AUDIO Jack for MIC in
MIC2	MIC in Connector
PS2	PS/2 for Keyboard
LPT1	Printer Connector
TOUCH1	5W Resistive Touch Connector
PCIE1	Mini PCI-E Socket
PW1	Power Button
PW3	Power Button Connector
IVT1	Inverter Connector
FAN1	CPU Fan Connector
FAN2	System Fan Connector
LED2	LED Connector
DIO1	Digital Input / Output Connector
HDMI1	HDMI Connector
DP1	DisplayPort Connector
SJ1	Clear CMOS
SJ2	SATA Power Enable for SATA4

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DC1 : Mini Din 4P for Power Input Port

PIN1	GND	PIN2	GND
PIN3	+12V	PIN4	+12V

DC2 : Internal Power Input Connector

PIN1	+12V	PIN2	+12V
PIN3	GND	PIN4	GND

CD1 : RJ11 for Cash Drawer Port

PIN1	GND	PIN2	DOUT0
PIN3	DIN0	PIN4	+12V_CD
PIN5	DOUT1	PIN6	GND

USB3 / 4 / 5 / 6 / 7 / 8 : USB Connector

PIN1	+5V_USB	PIN2	USB-
PIN3	USB+	PIN4	GND

COM3 / 4 : RJ48 for COM3 / 4 Port

PIN1	N/C	PIN2	DCD
PIN3	DSR	PIN4	RX
PIN5	RTS	PIN6	TX
PIN7	CTS	PIN8	DTR
PIN9	GND	PIN10	RI

PS2 : PS/2 for Keyboard and mouse Connector

PIN1	Mouse Clock	PIN2	Mouse Data
PIN3	Keyboard Clock	PIN4	Keyboard Data
PIN5	GND	PIN6	+5V_PS2

SPWR1 / 2 / 3 : Power Output for SATA HDD

PIN1	+5V_HDD	PIN2	GND
PIN3	GND	PIN4	+12V_HDD

IVT1 : Inverter Connector

PIN1	GND	PIN2	IVT_PWM
PIN3	BKL_EN	PIN4	GND
PIN5	+12V_IVT		

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LVDS1 : LCD Connector

PIN1	GND	PIN2	GND
PIN3	LVDSA_N0	PIN4	LVDSA_N1
PIN5	LVDSA_P0	PIN6	LVDSA_P1
PIN7	GND	PIN8	GND
PIN9	LVDSA_N2	PIN10	LVDSA_CLK_N1
PIN11	LVDSA_P2	PIN12	LVDSA_CLK_P1
PIN13	GND	PIN14	GND
PIN15	LVDSA_N3	PIN16	LVDSB_N0
PIN17	LVDSA_P3	PIN18	LVDSB_P0
PIN19	GND	PIN20	GND
PIN21	LVDSB_N1	PIN22	LVDSB_N2
PIN23	LVDSB_P1	PIN24	LVDSB_P2
PIN25	GND	PIN26	GND
PIN27	LVDSB_CLK_N2	PIN28	LVDSB_N3
PIN29	LVDSB_CLK_P2	PIN30	LVDSB_P3
PIN31	GND	PIN32	GND
PIN33	DDC_CLK	PIN34	+3.3V_LCD
PIN35	DDC_DAT	PIN36	+3.3V_LCD
PIN37	LCD_BKL	PIN38	+5V_LCD
PIN39	SJ4	PIN40	+5V_LCD

VGA1 : VGA Connector

PIN1	RED_CRT	PIN2	DDCDAT_CRT
PIN3	GREEN_CRT	PIN4	DDCCLK_CRT
PIN5	BLUE_CRT	PIN6	GND
PIN7	HSYNC_CRT	PIN8	GND
PIN9	VSYNC_CRT	PIN10	GND

AUD2 : Speaker Out Connector

PIN1	LINE_OUT_R+	PIN2	LINE_OUT_R-
PIN3	LINE_OUT_L-	PIN4	LINE_OUT_L+

MIC2 : MIC In Connector

PIN1	MIC_IN_L	PIN2	GND
PIN3	MIC_IN_R		

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CR1 : Card Reader Connector

PIN1	+5V_CR	PIN2	+5V_CR
PIN3	PC_CLK	PIN4	PC_DATA
PIN5	KB_CLK	PIN6	KB_DATA
PIN7	RX_COM5	PIN8	TX_COM5
PIN9	CTS_COM5	PIN10	RTS_COM5
PIN11	KB_EN	PIN12	GND
PIN13	USB+	PIN14	USB-
PIN15	GND		

LPT1 : Printer Connector

PIN1	STB#	PIN2	AFD#
PIN3	PD0	PIN4	ERR#
PIN5	PD1	PIN6	INIT#
PIN7	PD2	PIN8	SLIN#
PIN9	PD3	PIN10	GND
PIN11	PD4	PIN12	GND
PIN13	PD5	PIN14	GND
PIN15	PD6	PIN16	GND
PIN17	PD7	PIN18	GND
PIN19	ACK#	PIN20	GND
PIN21	BUSY	PIN22	GND
PIN23	PE	PIN24	GND
PIN25	SLCT	PIN26	Error-Proof

TOUCH1 : 5W Resistive Touch Panel Connector

PIN1	RT	PIN2	RL
PIN3	PROBE	PIN4	LT
PIN5	LL		

PW1 : Power Button

PIN1	Power Button+	PIN2	Power Button-

PW3 : Power Button Connector

PIN1	Power Button+	PIN2	Power Button-

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FAN1 : CPU Fan Connector

PIN1	FAN Speed Ctrl	PIN2	FAN Speed Sense
PIN3	+12V	PIN4	GND

FAN2 : System Fan Connector

PIN1	FAN Speed Sense	PIN2	+12V
PIN3	GND		

LED 2 : LED Connector

PIN1	POWER LED+	PIN2	POWER LED-
PIN3	HDD LED+	PIN4	HDD LED-
PIN5	LAN LED+	PIN6	LAN LED-

DIO1 : Digital Output / Input Connector

PIN1	+5V_DIO	PIN2	DIN1
PIN3	DOUT1	PIN4	DIN2
PIN5	DOUT2	PIN6	DIN3
PIN7	DOUT3	PIN8	DIN4
PIN9	DOUT4	PIN10	GND

SJ1 : Clear CMOS Setup

JCLR1	Description
1-2	Clear CMOS
2-3	Normal operation

SJ2 : SATA Power Enable for SATA4(6)

SJ3	Description
1-2	5V SATA Power Enable
2-3	Normal operation

SJ2 setting SATA4(6) pin7 is GND or 5V.

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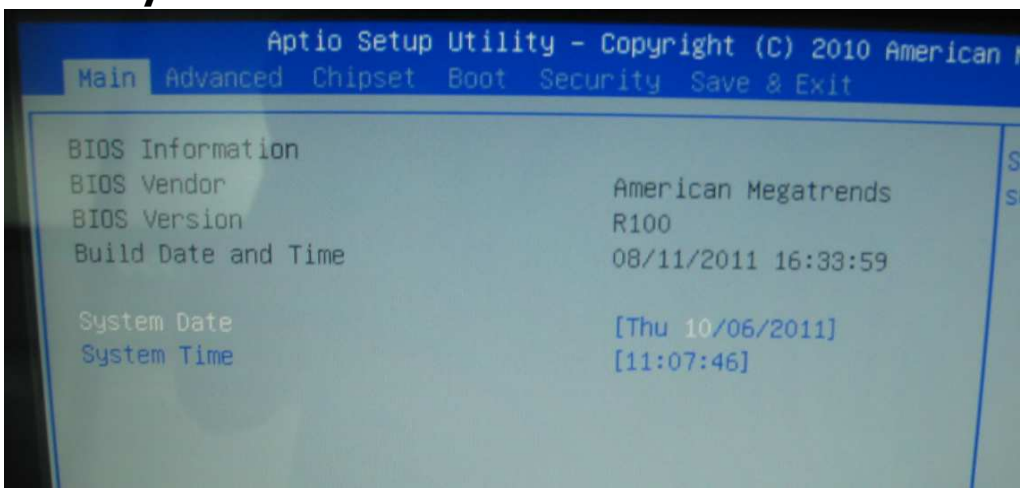
6 Serial Port Pin 9 Mode Settings

BIOS Main Menu

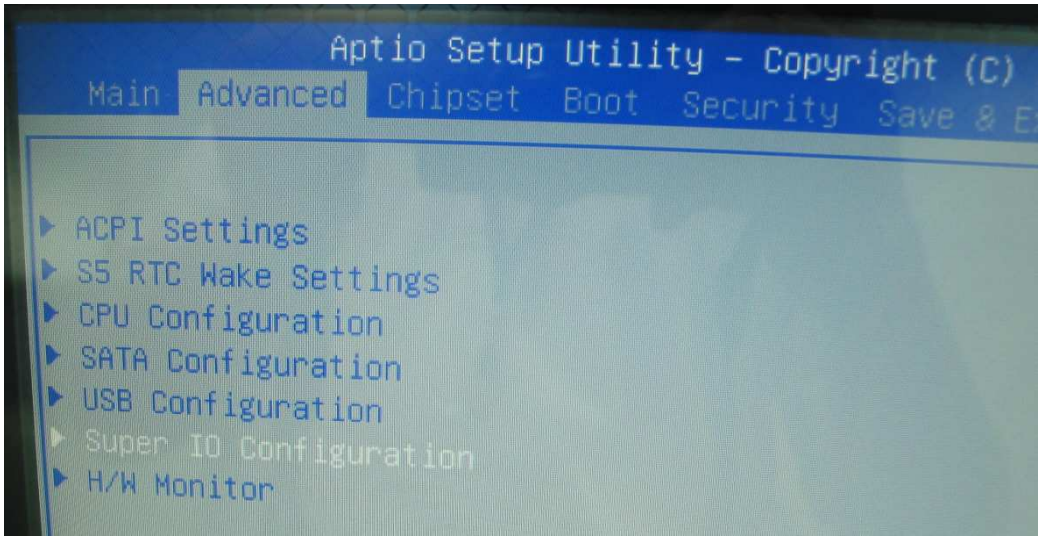
When the BIOS Main Menu is displayed, the following items can be selected. Use the arrow keys to select items and the enter key to accept and enter the sub-menu.

Enter System Overview



Advanced Settings

Use this menu for set up super IO configuration.



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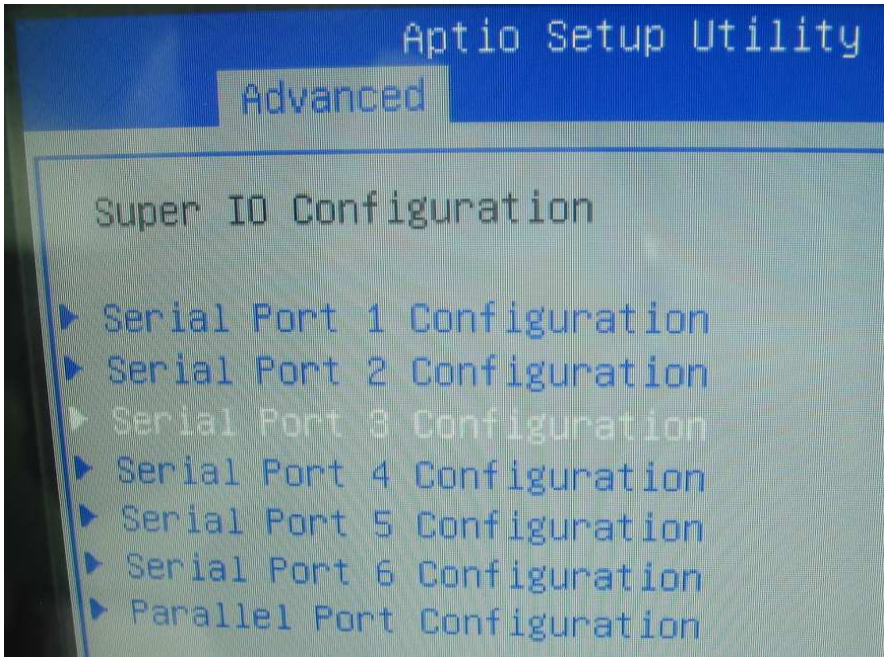
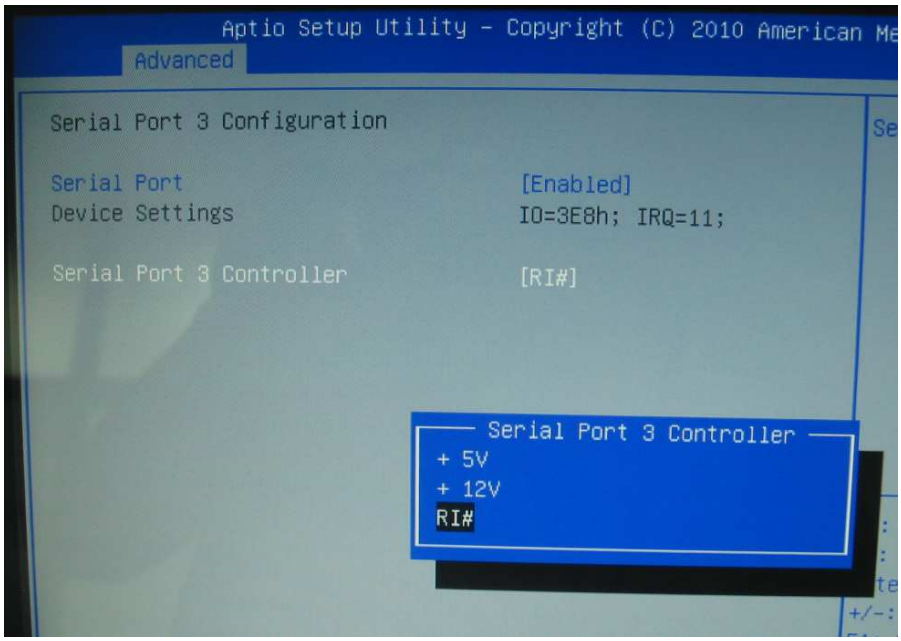
Select Super IO Configuration



Serial Port 1-4 Pin9 Mode

Enter into serial port 1- 4 Pin9 Mode and set up the options.

Select the serial port 1 Pin9 mode.



Save and Exit

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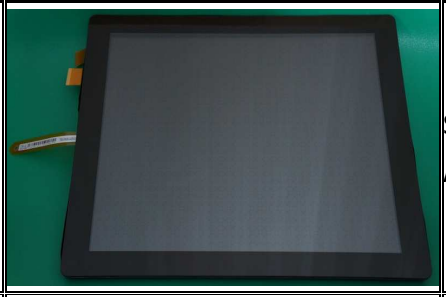
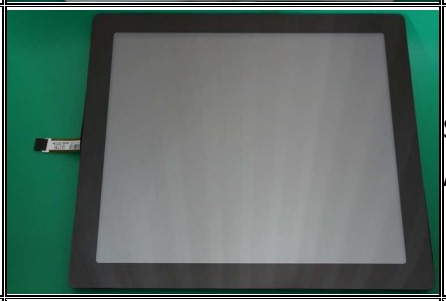
7 Spare parts List

Part Number	Photo	Description
XTOUCHCB0010		SPARE PARTS: TOUCH PANEL CAPACITIVE(BLACK) ASS'Y,PP01
XTOUCHCW0010		SPARE PARTS: TOUCH PANEL CAPACITIVE(WHITE) ASS'Y,PP01
XTOUCHRB0010		SPARE PARTS: TOUCH PANEL RESISTIVE(BLACK) ASS'Y,PP01
XTOUCHRW0010		SPARE PARTS: TOUCH PANEL RESISTIVE(WHITE) ASS'Y,PP01
XTCONTROL010		SPARE PARTS: PCT TOUCH CONTROLER with PLASTIC SCREW ASS'Y,PP01

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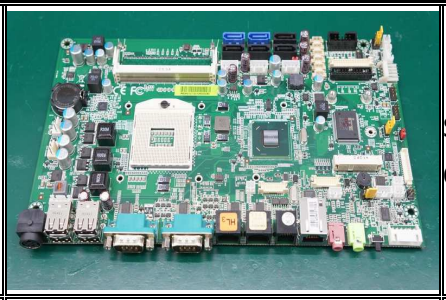
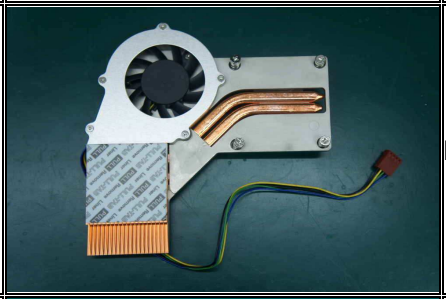
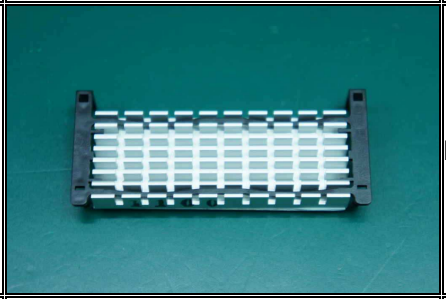
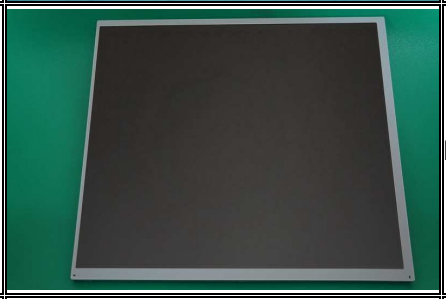
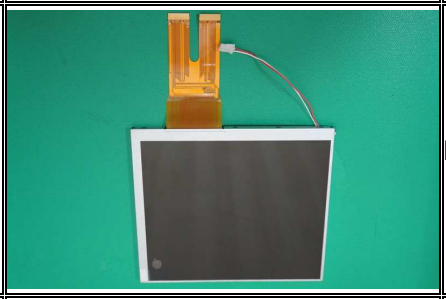
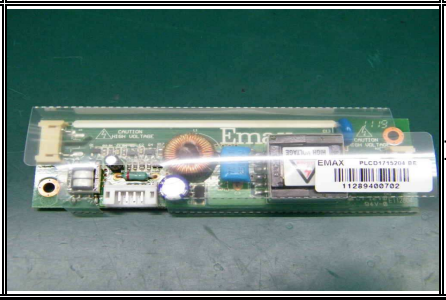
51PE06000000		SPARE PARTS: MAIN BOARD: PE06, SANDY BRIDGE SOCKET G2 FOR rPGA989+QM67(HM65 W/O SDVO IC
3XMC0000003A		HEATSINK W/thermal pad, FOR VARI POS/PPC 815
3XMC00000080		RAM Modular HEATSINK W/thermal pad
6PN115052110		LCD PANEL: AUO , 15" TFT, 1024x768
6PN117001710		LED PANEL FOR 2ND DISPLAY
61V205510400		INVERTER:DUAL LAMP 5.5mA PLCD1715204BE

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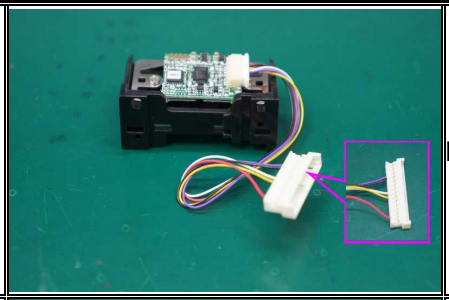
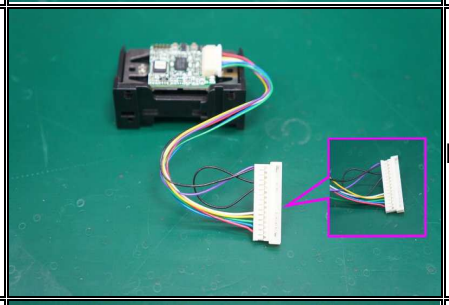
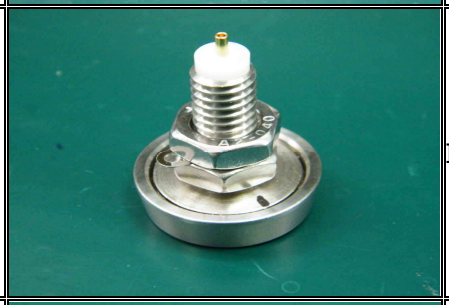
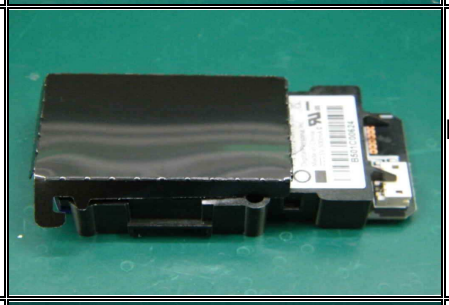
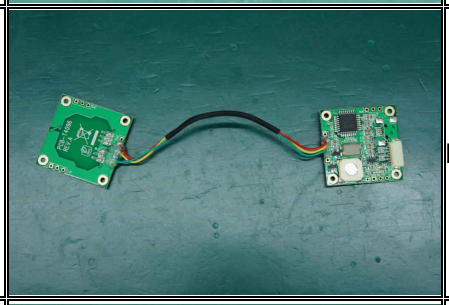
6CR000000010		MSR Module RS232
6CR000000020		MSR Module PS2
6CR842000000		I-BUTTON READER MODULE
6PP000000030		FINGERPRINT: USB FINGERPRINT READER MODULE 50012-0H1-103
6PP000000020		MIFARE SECTOR READER ((MF10U-PD)
6LN050000010		WIRELESS 802.11 b/g/n USB

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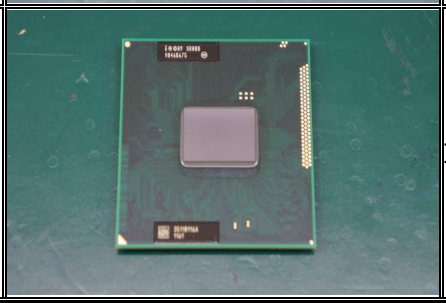
2SP2W0081040		Seaker:25*14 4(Ω) 2.0W/2.5W(Max)
6RMS04G48A10		RAM: 4G DDRIII 1333MHz 204P,BRAND:HYNIX (256Mx8*16)
6RMS02G48A10		RAM: 2G DDRIII 1333MHz 204P,BRAND:HYNIX (256Mx8*8)
2UCPUCELB810		INTEL CPU : Celeron B810
2UCPUI32330M		INTEL CPU : i3 2330E
2UCPUI52510E		INTEL CPU : i5 2510E

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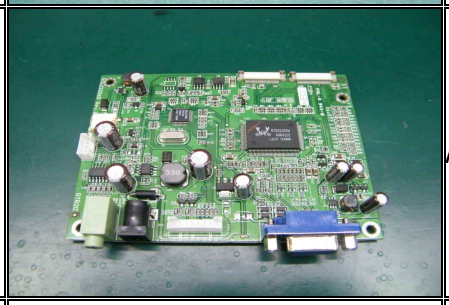
XHDD16000010		HDD 160G ASSY,PP01
52F008V10006		VFD BOARD: W/FUTABA/10P8C(COM) V1.0 Cable: **3CW000000740**
52FVFDV1000D		VFD BOARD: PE02 V1.0 Cable: **3CW000000150**
52ADB0000010		AD BOARD FOR 2ND DISPLAY
6PWA1204C000		POWER ADAPTER: DC12V/10A EA11353A-120(25)
3CP000000050		POWER CORD (Brazil) TO MINI 3P

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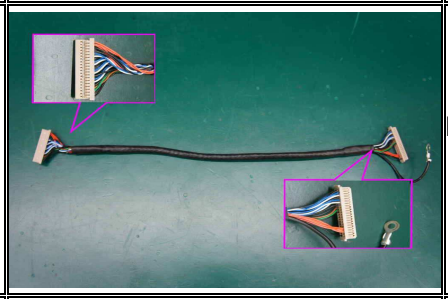
3CP000000040		POWER CORD (AU) TO MINI 3P
3CP000000030		POWER CORD (UK) TO MINI 3P
3CP000000010		POWER CORD (USA) TO MINI 3P
3CP000000020		POWER CORD (EU) TO MINI 3P
3CW000000530		LCD CABLE: A1255-H P=1.25 2x15pin female, A1253-H P=1.25 20pin female, 260mm
3CW000000521		VGA CABLE: internal VGA cable with power connecter D-SUB15PIN male, DuPont2.54, 2*5PIN+JST 2.0 4PIN,140mm,

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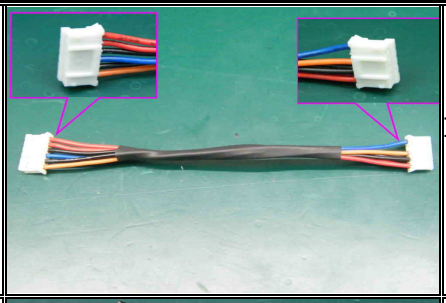
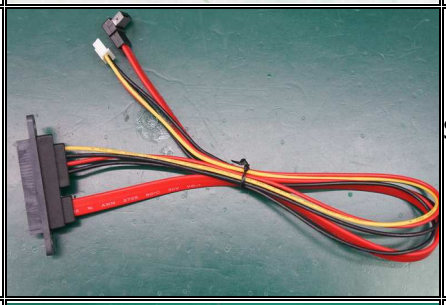
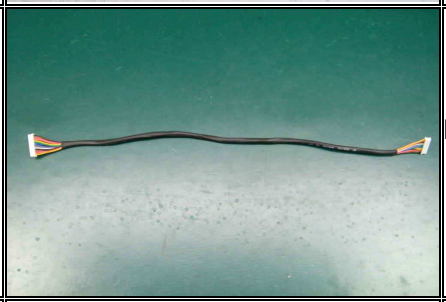
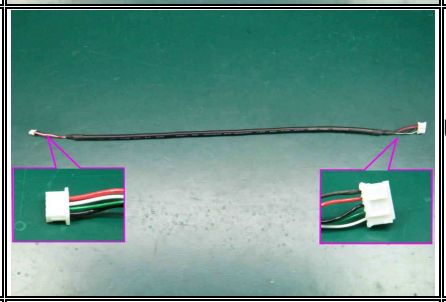
3CW000000020		Inverter cable: JSP P=2.0 6pin female, JST P=2.0 5pin female, 100mm
3CW000000540		SATA HDD cable: SATA 7+15pin female, SATA 7pin female, JST P=2.5 4pin female, 230mm
3CW000000060		Power button cable: JST P=2.0 2pin female, MR-21S-MZBB-F2, 200mm
3CW000000560		MSR extend cable: MOLEX P=1.25 15pin female, MOLEX P=1.25 15pin female, 150mm
3CW000000090		USB cable: JST P=2.0 5pin female, MOLEX P=1.25 4pin female, 320mm
3CW000000050		LPT cable: DuPont P2.0 2x13pin female, DB25, 1600mm

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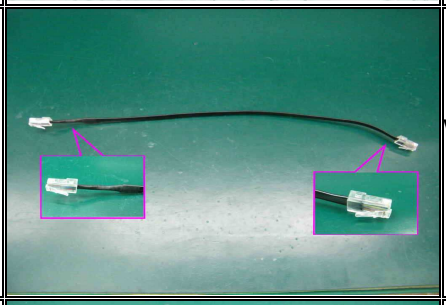
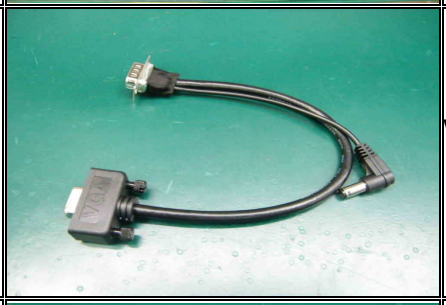
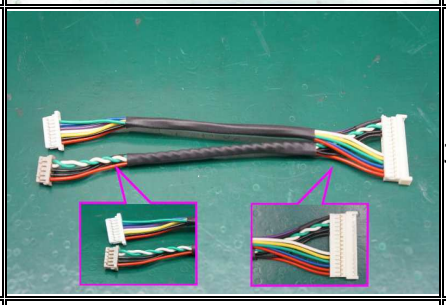
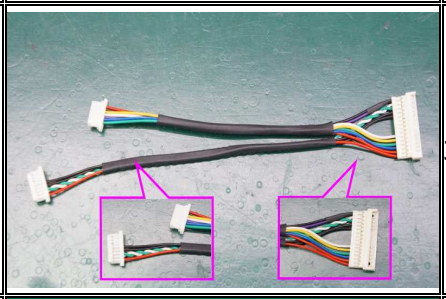
3CW000000150		VFD cable: RJ48 10P10C TO RJ48 10P10C L=160mm(KC3951) for **52FVFDV1000D**
3CW000000740		VFD cable: RJ48 10P10C TO RJ48 10P10C L=160mm for **52F008V10006**
3CW000000180		VGA+POWER CABLE FOR 2ND DISPLAY: D-SUB15PINmale, DC 5.5-2.5, D-SUB15PINfemale, 300mm
3CW000000300		3 in 1 cable: for MSR, Finger printer and I-Button
3CW000000310		3 in 1cable: for MSR+RFID only
3CW000000190		Extend VGA cable:DS-UB15PIN female,D-SUB15PIN female,110mm, W/O power pin

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3CMD9MJT0100		COM3 CABLE: RJ45/DB9
3P00040B0600		LCD SIDE COVER: Gray
3P00040E0400		LCD SIDE COVER: White
3P00040B0200		LCD SIDE COVER: Black
3P00050D0200		HINGE COVER: Black

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3P00050D0600		HINGE COVER: Gray
3P00050F0400		HINGE COVER: White
3P00050D1000		HINGE COVER: Green
3P00050D0800		HINGE COVER: Red
3P00032D0800		PPC I/O cover: Red

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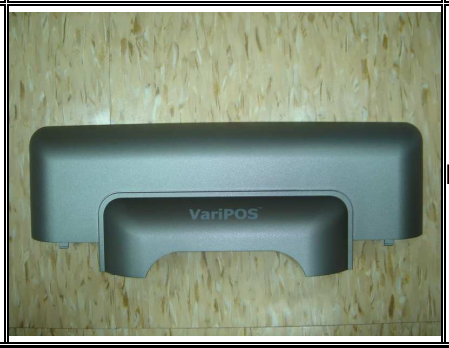
3P00032D0600		PPC I/O cover: Gray
3P00032F0400		PPC I/O cover: White
3P00032D1000		PPC I/O cover: Green
3P0003D0200		PPC I/O cover: Black
3P00030D0610		POS I/O cover w/o VFD: Gray

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3P00030D0810		POS I/O cover w/o VFD: Red
3P00030D1010		POS I/O cover w/o VFD: Green
3P00030F0410		POS I/O cover w/o VFD: White
3P00030D0210		POS I/O cover w/o VFD: Black
3P00031D0610		POS I/O cover W/VFD: Gray

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3P00031D0810		POS I/O cover W/VFD: Red
3P00031D1010		POS I/O cover W/VFD: Green
3P00031F0410		POS I/O cover W/VFD: White
3P00031D0210		POS I/O cover W/VFD: Black
3P00060D0600		VFD cover: Gray

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3P00060D0800		VFD cover: Red
3P00060D1000		VFD cover: Green
3P00060F0400		VFD cover: White
3P00060D0200		VFD cover: Black
3P00090D0600		2nd display rear cover: Gray

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3P00090D0800		2nd display rear cover: Red
3P00090D1000		2nd display rear cover: Green
3P00090F0400		2nd display rear cover: White
3P00090D0200		2nd display rear cover: Black
3P00070P0910		VFD LENS

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3P00110K0200		2nd display LENS: Black
3P00110K0400		2nd display LENS: White

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8 Appendix

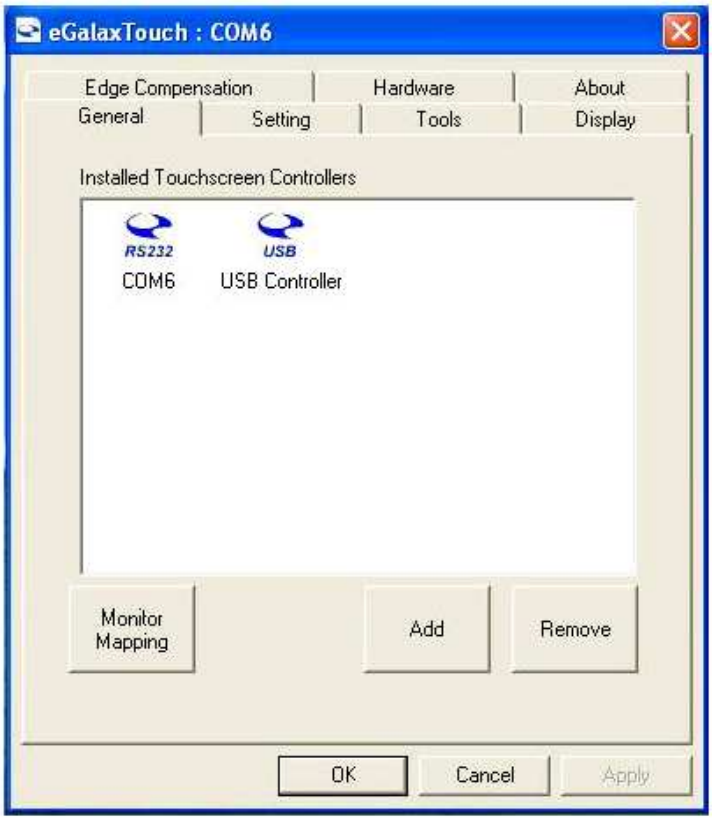
Drivers Installation:

The shipping package includes a Driver CD. You can find every individual driver and utility that enables you to install the drivers in the Driver CD.

Please insert the Driver CD into the drive and double click on the "autorun.exe" to pick up the models.

Notice:

2. If you use the **Resistive** touch panel, it is only showed COM6 installation finish image.
3. If you use the **PCT** touch panel, it will show the below image, please remove COM6 icon.
4. At the Windows 7 Operation System environment, when customer want to use PCT touch multi-touch it is not required to install the touch driver.
5. **Resistive touch is RS232 interface (COM6) and the PCT touch is USB interface**.



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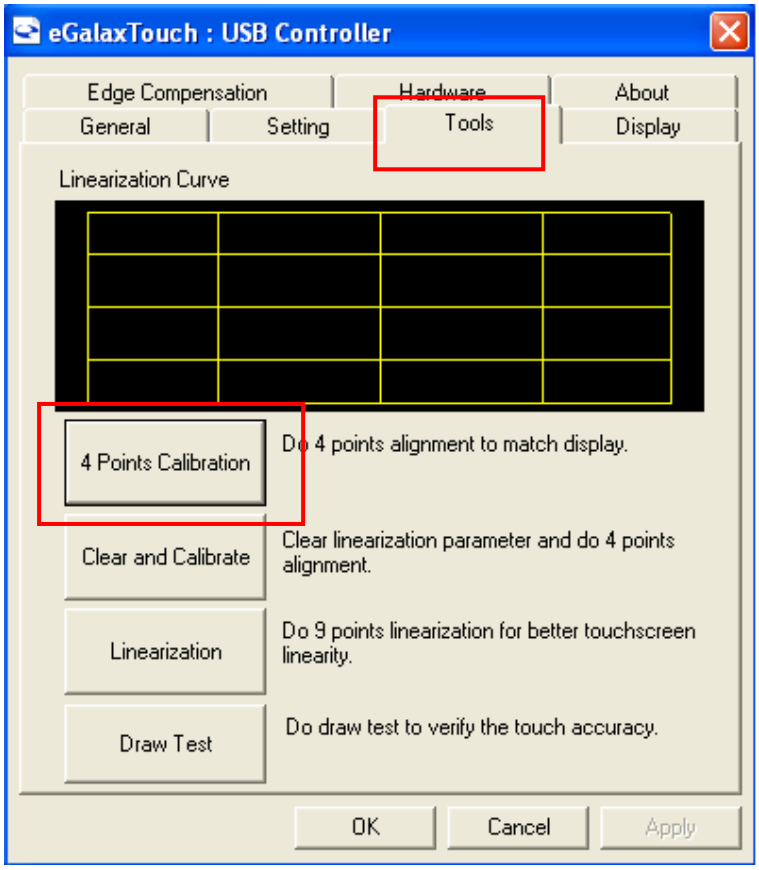
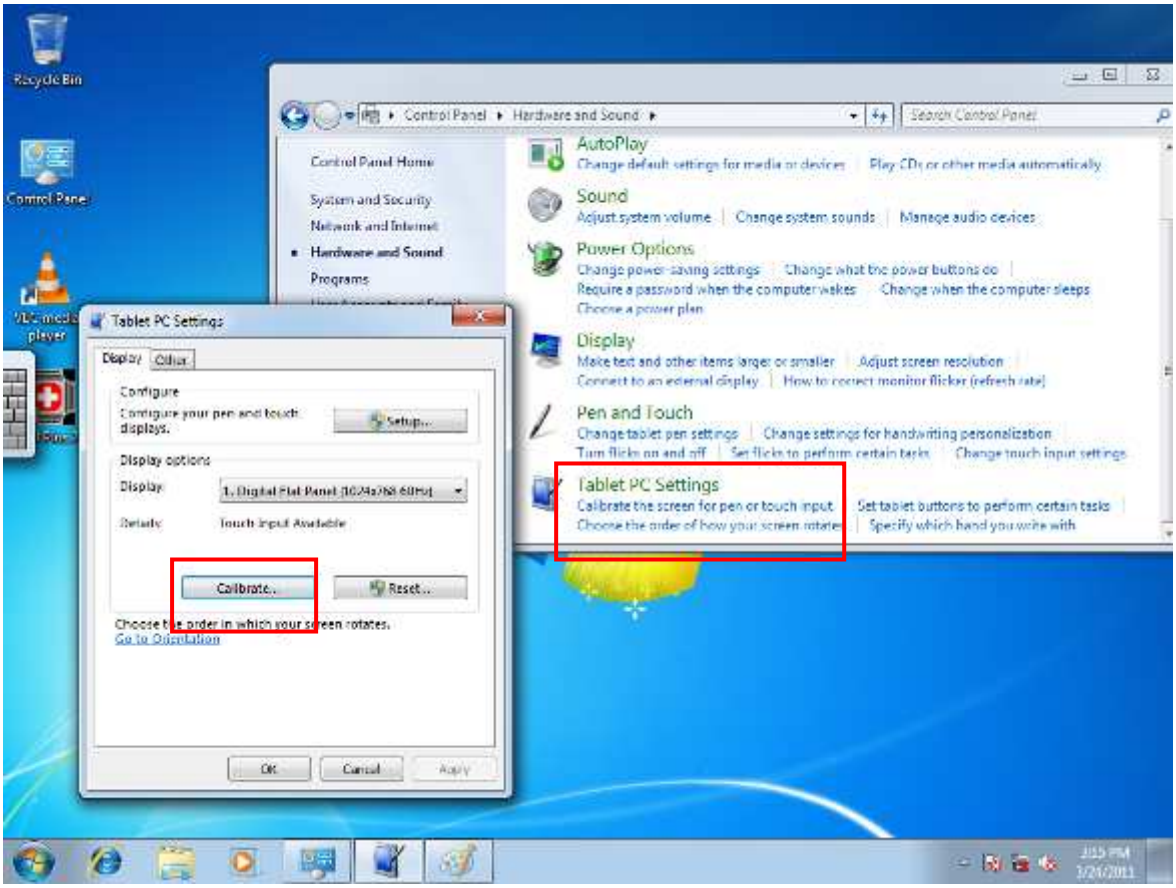
6. Calibration with EETI touch utility: please into "tool" page and press "4 Points Calibration".



7. Calibration in WIN7: Control panel→ Hardware and Sound→Tablet PC setting→Calibrate the screen from pen or touch input



Version Change History：

Version	Change Date	Change Content
V1.0	October, 2011	1st Release
V1.1	Feb, 2012	Upgrade spare parts

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